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OM protein - nucleic search, using frame\_plus\_p2n model

Run on : November 9, 2002, 05:36:47 ; Search time 87 Seconds

(without alignments)

774.819 Million cell updates/sec

Title: US-09-895-298a-83

Perfect score: 1002

Sequence: 1 MANFOPPSKAWRASQMTFF . . . . . HDGSDLRLRSRRSVOEGNPR A 190

Scoring table: BLOSUM62

Xgapext 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 32260 seqs, 17739277 residues

Total number of hits satisfying chosen parameters: 640520

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-PUBLISHED_APPLICATIONS_NA -QFMN="fastap" -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bts -START=1 -END=-1 -MATRIX=BLOSUM62
-TRANS_human40_cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=per -THR_MAX=100
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMN="pcto" -NORM=ext -HEAPSIZM=500 -MINLEN=0
-MAXLEN=200000000 -USER=US09895298 @CGN_1_36_errnat_06112002_160417_2436
-NCPD=6 -ICPU=3 -NO_XPLXY -NO_MMAPP -LARGEPROBES=0 -WAIT=1 -LONGLOG
-DEV_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
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Database :

Published\_Applications\_NA: \*

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13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq: *
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### ALIGNMENTS

#### RESULT 1

US-09-864-761-11449

; Sequence 11449 Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wenheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

; FILE REFERENCE: Aeomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIORITY APPLICATION NUMBER: US 60/180,312

; PRIORITY FILING DATE: 2000-02-04

; PRIORITY APPLICATION NUMBER: US 60/236,359

; PRIORITY FILING DATE: 2000-09-27

; PRIORITY APPLICATION NUMBER: PCT/US01/00666

; PRIORITY FILING DATE: 2001-01-30

; PRIORITY APPLICATION NUMBER: PCT/US01/00667

; PRIORITY FILING DATE: 2001-01-30

5	91	9.1	486	10	US-09-747-155-315	Sequence 315, App
6	91	9.1	487	10	US-09-747-155-325	Sequence 325, App
7	89	8.9	487	10	US-09-747-155-328	Sequence 328, App
8	86	8.6	969	10	US-09-886-055-254	Sequence 254, App
9	85.5	8.5	408	10	US-09-867-701-424	Sequence 4424, App
10	84	8.4	32768	10	US-09-070-927A-100	Sequence 1804, App
11	84	8.4	607	10	US-09-770-149-903	Sequence 1905, App
12	82	8.2	458	10	US-09-747-155-216	Sequence 168, App
13	82	8.2	487	10	US-09-747-155-222	Sequence 178, App
14	82	8.2	1800	10	US-09-070-927A-786	Sequence 1217, App
15	82	8.2	32200	10	US-09-764-847-1804	Sequence 1804, App
16	81.5	8.1	1515	10	US-09-833-381-1905	Sequence 191, App
17	81.5	8.1	1515	10	US-09-833-381-1905	Sequence 199, App
18	81	8.1	913	10	US-09-822-830A-168	Sequence 208, App
19	81	8.1	6651	10	US-09-954-456-1217	Sequence 60, App
20	80.5	8.0	1168	10	US-09-778-844-43	Sequence 17, App
21	80	8.0	486	10	US-09-747-155-191	Sequence 3, App
22	80	8.0	487	10	US-09-747-155-208	Sequence 295, App
23	80	8.0	487	10	US-09-809-545A-60	Sequence 3, App
24	80	8.0	1051	10	US-09-815-242-8127	Sequence 43, App
25	79.5	7.9	924	10	US-09-825-882-17	Sequence 19, App
26	79	7.9	924	10	US-09-825-882-17	Sequence 19, App
27	78.5	7.8	1812	10	US-09-750-240-3	Sequence 5, App
28	78	7.8	3549	10	US-09-750-240-5	Sequence 205, App
29	78	7.8	486	10	US-09-747-155-205	Sequence 539, App
30	78	7.8	7258	10	US-09-790-988-3	Sequence 6, App
31	77	7.7	1788	10	US-09-915-242-4189	Sequence 1893, A
32	77.5	7.7	1815	10	US-09-815-242-8127	Sequence 8427, App
33	77.5	7.7	23822	10	US-09-964-824A-572	Sequence 572, App
34	77	7.7	84539	10	US-09-962-436-35	Sequence 36, App
35	77	7.7	833	12	US-10-001-879-29	Sequence 29, App
36	77	7.7	1815	10	US-09-841-132-339	Sequence 29, App
37	76.5	7.6	45845	10	US-09-927-091-6	Sequence 3, App
38	76	7.6	382	10	US-09-864-761-8982	Sequence 1753, App
39	76	7.6	1731	10	US-09-764-869-1753	Sequence 10, App
40	76	7.6	1731	10	US-09-764-869-1753	Sequence 12, App
41	76	7.6	3552	10	US-09-750-240-10	Sequence 3, App
42	76	7.6	3552	10	US-09-750-240-10	Sequence 1, App
43	76	7.6	13017	10	US-09-750-240-12	Sequence 35, App
44	76	7.6	465237	10	US-09-93-267A-1	Sequence 1, App
45	75.5	7.5	848	10	US-09-908-805B-35	Sequence 1, App

PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 SEQ ID NO 11449  
 LENGTH: 454  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC003108.1  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78  
 US-09-864-761-11449  
 Alignment Scores:  
 Pred. No.: 3.91e-13 Length: 454  
 Score: 177.00 Matches: 62  
 Percent Similarity: 48.63% Conservative: 9  
 Best Local Similarity: 42.47% Mismatches: 34  
 Query Match: 17.66% Indels: 41  
 DB: 10 Gaps: 8  
 US-09-895-298A-83 (1-190) x US-09-864-761-11449 (1-454)  
 Qy 37 AlaIleLethRileTrpArgLeuLysProSerAla-----AspCysGlyProPheArg 53  
 Db 15 GCAGCCGACTCTGGAGGCTACTTTCAGCAAGGCCGTAGGGGAATGCG-----TTAGA 68  
 Qy 54 GluLeuProLeuPhenLeuHisSerLeuTyrSerTrpLeuSerThrArgPro 73  
 Db 69 GCA-----GATAATTACAGT-----GCA 86  
 Qy 74 GlyTyreLeutRp--ValValTripleTyraGasnLeuIleGlySerValHisPhePhe 92  
 Db 87 GGAGGCCTGGGGATAATCGGTTACGTGAATGTT-----CTTTC 134  
 Qy 93 PheIleLeuThrLeuIleValLeuIleLeuIleThrTyreLeutRpGlnIleThrGluGly 112  
 Db 135 TTTCACCAAAAGATGGCATTAACCTCAACTCTAGGATCCCTAGCTGCCATGAAAC 194  
 Qy 113 ArgLysIleMetIleLeuIleLeu-----HISGluGlnIleIleThrGluGly 126  
 Db 195 CGACGTTCTTCATGCTTCATTCATCACCATCATTCATCATATTTGT 254  
 Qy 127 -----GluGlyLysAspLysMetPhenLeuIleG1 136  
 Db 255 TTCTTCTGGTTGTTCTCTCTGAGGAGCAAGATAAAATGTTCTGATAGA 314  
 Qy 136 ulySLeuIleLysLeuGlnAspMetGluLysLysAlaAsnProSerSerLeuValleG1 156

RESULT 2  
 US-09-864-761-28040  
 Sequence 28040 Application US/09864761  
 Patent No. US20020487631  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 FILE REFERENCE: Asomico-X-1  
 CURRENT APPLICATION NUMBER: US/09/864,761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263.6  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2000-09-21  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIOR FILING DATE: 2001-01-29  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 SEQ ID NO 28040  
 LENGTH: 94  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC003108.1  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62  
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78  
 OTHER INFORMATION: NT HIT: AJ276505.1, EVALUE 5.00e-02  
 OTHER INFORMATION: EST\_HUMAN HIT: AW582253.1, EVALUE 5.00e-46

US-09-864-761-28040  
Alignment Scores:  
Pred. No.: 1.36e-10 Length: 94  
Score: 148.00 Matches: 31  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 14.77% Indels: 0  
DB: 10 Gaps: 0

US-09-895-298A-83 (1-190) x US-09-864-761-28040 (1-94)  
Qy 131 LysMetPheLeuIleGluLysLeuLeuLysLeuGlnAspMetGluLysLysAlaAsnPro 150  
Db 2 AAATGTCCTGATAGAAATGTCAACGTCAGGATATGGAGAGAAGCAAACCC 61

Qy 151 SerSerLeuValLeuLysGluArgGluValGlu 161  
Db 62 AGCTCACTGTCCTGGAAGGAGGAGGAGG 94

RESULT 3  
US-10-044-090-654  
; Sequence 654, Application US/10044090  
; Patent No. US20020137081A1  
GENERAL INFORMATION:  
APPLICANT: Olga Bandman  
TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION  
FILE REFERENCE: PA-0028 US  
CURRENT APPLICATION NUMBER: US/10/044, 90  
CURRENT FILING DATE: 2002-01-09  
NUMBER OF SEQ ID NOS: 850  
SOFTWARE: PERL program  
SEQ ID NO 654  
LENGTH: 2543  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE: misc\_feature  
NAME/KEY: misc\_feature  
OTHER INFORMATION: Incyte ID NO. US20020137081A1 1450758CB1  
US-10-044-090-654

Alignment Scores:  
Pred. No.: 0.00218 Length: 2543  
Score: 107.50 Matches: 47  
Percent Similarity: 37.31% Conservative: 28  
Best Local Similarity: 23.38% Mismatches: 55  
Query Match: 10.73% Indels: 71  
DB: 12 Gaps: 10

US-09-895-298A-83 (1-190) x US-10-044-090-654 (1-2543)  
Qy 6 ProProSerLysAlaTrpPheGla-----SERGlnMetMetThrPhePhe 20  
Db 123 CCTCCCGTGCAGGCCGCGGCCGAGCCATGCCTGCGCATGCGCAGGATAC 182  
Qy 21 IlePheLeuLeuPhe-----ProSerPheThrGlyValLeucys 34  
Db 183 GTGTTCTCGGATTCCTGCAGAGGCCAGGGCCAAAGTCAGGGCTGCCTG 242  
Qy 35 ThrLeuAlaIleThrIleTrpArgLysSerSerAlaAspCysLysProPheArgLY 54  
Db 243 GAGCTGCGCTG-----GACAGATGGTCACGTGCATGGCGTG---GGG 284  
Qy 55 LeuProLeuPhenLeuSerle----- 62  
Db 285 CTCGCCCTGCGCTCACCTGCTGGCTTCGGCAGGAGATCTCGATGGTACACAGATA 344  
Qy 63 -----TyrSerTrp-----TleAspThrLeuSer 70  
Db 345 AGCTGTTCTCCAGTCTCTCCCTGGCTCAGGCTGGCTGGATTGGAATCA----- 398  
Qy 71 ThrArgProGlyTyreLeuTrpValValTrpIleTyArgAsnLeuIleGlySer----- 88

RESULT 4  
US-09-070-927A-680  
; Sequence 680, Application US/09070927A  
; Patent No. US20020120116A1  
GENERAL INFORMATION:  
APPLICANT: Charles A. Kunsch  
ADDRESS: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850 -  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Disquette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/070,927A  
FILING DATE: 04-May-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/046, 655  
FILING DATE: 1997-05-16  
APPLICATION NUMBER: 60/044, 031  
FILING DATE: 1997-05-06  
APPLICATION NUMBER: 60/066, 009  
FILING DATE: 1997-11-14  
ATTORNEY/AGENT INFORMATION:  
NAME: Kenley K. Hoover  
REGISTRATION NUMBER: 40, 302  
REFERENCE/DOCKET NUMBER: PB369  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 680:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1442 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLogy: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 680:  
US-09-070-927A-680

Alignment Scores:  
Pred. No.: 0.0494 Length: 1442





RESULT 9  
 US-09-867-701-4424  
 ; Sequence 4424 Application US/09867701  
 ; Patent No. US2002132237AI  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Agrave, Paul A.  
 ; APPLICANT: Jones, Robert  
 ; APPLICANT: Harlacker, Susan L.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 ; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER  
 ; FILE REFERENCE: 210121.497  
 ; CURRENT APPLICATION NUMBER: US/09/867,701  
 ; CURRENT FILING DATE: 2001-05-29  
 ; NUMBER OF SEQ ID NOS: 10912  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 424  
 ; LENGTH: 408  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-09-867-701-4424

Alignment Scores:  
 Pred. No.: 0.0698 Length: 408  
 Score: 85.50 Matches: 38  
 Percent Similarity: 46.43% Conservative: 27  
 Best Local Similarity: 27.14% Mismatches: 56  
 Query Match: 8.53% Indels: 19  
 DB: 10 Gaps: 6

US-09-895-298A-83 (1-190) x US-09-867-701-4424 (1-408)

QY 6 ProProSarLysAlaTrpArgAlaSerGlnMetMetThrPhe---IlePheLeuLeu 24  
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 Db 27 CCGGCTGCCGCACCTGGGGCCTCCGGGGCAATTCTTTCCTGGGCCCTTC 86

QY 25 PhePheProSerPheThrGlyValLeuCysthrLeuAlaIleThrIleTrpArgLeuLys 44  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 87 CCGGGTCCTGCCATCTCCAGCGTT----CCCTGCTTACAGCACCTCCGATCCC 140

QY 45 ProSerAlaAspCysGlyProPheArglyLeuProLeuPheThrLeHisSerIleYser 64  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 141 CCTCTCTAACGCTGGCCTACCTGGGGCAG-----TCGTCCTGCCCC 188

QY 65 TrpLeu---AspThrLeuSerIleArgPro-----GlyTyroLeuTrpValVal 79  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 189 CAGATCCCTGAGACTTATTCAGCTCCCTGAGACCACCCAGAAATTCTCTGC 242

QY 80 TrpIleArgAsnLeuIleGlySerValIlePhePheIleLeuThrIleLeuLeu 99  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 243 -----TrCTGGGACCCAGGCTTGCTGTGCCCTCTGCTGATGCC 287

QY 100 LeuIleLeuThrIleLeuIleArgLeuIleLeuIleLeuIleLeuIleLeu 119  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 288 AGCATCCCTGAGCTGAGAGAGAGGGGGCAGAAATAAGCTCTCTGGCACGGCGCTG 407

RESULT 10  
 US-09-070-927A-100

Sequence 100, Application US/09070927A  
 ; Patent No. US2002120116A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Charles A. Kunsch  
 ; APPLICANT: Patrick J. Dillon  
 ; Steven Barash  
 ; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides  
 ; NUMBER OF SEQUENCES: 982  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Human Genome Sciences, Inc.

Alignment Scores:  
 Pred. No.: 77 Length: 32768  
 Score: 84.50 Matches: 32  
 Percent Similarity: 44.44% Conservative: 16  
 Best Local Similarity: 29.63% Mismatches: 46  
 Query Match: 8.43% Indels: 16  
 DB: 10 Gaps: 5

US-09-895-298A-83 (1-190) x US-09-070-927A-100 (1-32768)

QY 10 AlaTrpPheAlaSerGlnMetMetThrPhePheIleLeuLeuPhe----- 25  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 11153 GCTTGTAACTCCGACATCTCTTAGATCATCTCTCTCTCTAGGGCTGATACC 11212

QY 26 PheProSerPheThrGlyValLeuCysthrLeuAlaIleThrIleTrpArgLeuLys 45  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 11213 GTCGACAACCTCAA-----TGTGTACATCGGCAATTACACATCTCTG-ATGCTACCC 11265

QY 46 SerAlaAspCysGlyProPheArglyLeuProLeuPheIleHisSerIleYserTrp 65  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 11265 CAAACATCGC-GGACCTTGTGCCGAATGCCCTTAATGTAACCT----- 11312

QY 66 IleAspThrLeuSerIleArgProGlyIleTrpValTrpIleYserArgAsnLeu 85  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 11313 TCGCTCTACATCACACCTCTTACCTCAACTCTCTG-----TGGCTGGCGTGATCT 11366

QY 86 IleGlySerVal-----HisPhePhePheIleLeuIleLeuIleLeuIleLeu 103  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 11367 TTATCGATCTGTGCAAGGCCATTCTTAAATATGATGCCCAAGCTCTTGTGCTCTCA 11426

QY 104 TyrLeuTrpIleTrpGlnIleThrGlu 111  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 11427 TATCCTTGTGGTAGTGACAGAC 11450

RESULT 11  
 US-09-770-149-903

Sequence 903, Application US/09770149  
 GENERAL INFORMATION:  
 APPLICANT: Gorlach, Jorn  
 APPLICANT: An, Yong-Qiang  
 APPLICANT: Hamilton, Carol M.  
 APPLICANT: Price, Jennifer L.  
 APPLICANT: Raines, Tracy M.  
 APPLICANT: Yu, Yang  
 APPLICANT: Nameka, Joshua G.  
 APPLICANT: Page, Amy  
 APPLICANT: Matthew, Abraham V.  
 APPLICANT: Ledford, Brooke L.  
 APPLICANT: Woessner, Jeffrey P.  
 APPLICANT: Haas, William David  
 APPLICANT: Garcia, Carlos A.  
 APPLICANT: Kricker, MaJa  
 APPLICANT: Slader, Ted  
 APPLICANT: Davis, Keith R.  
 APPLICANT: Hoffman, Neil  
 APPLICANT: Hurban, Patrick  
 TITLE OF INVENTION: Expressed Sequences of Arabidopsis  
 FILE REFERENCE: 2024 (PARA-013PRV)  
 CURRENT APPLICATION NUMBER: US/09/770,149  
 CURRENT FILING DATE: 2001-01-26  
 PRIOR APPLICATION NUMBER: 60/178,506  
 LENGTH: 607  
 PRIORITY FILING DATE: 2000-01-27  
 NUMBER OF SEQ ID NOS: 999  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 ; CURRENT FILING DATE: 2001-01-26  
 ; PRIORITY FILING DATE: 2000-01-27  
 ; NUMBER OF SEQ ID NOS: 999  
 ; SEQ ID NO: 903  
 ; LENGTH: 607  
 ; TYPE: DNA  
 ; ORGANISM: Arabidopsis thaliana  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(607)  
 ; OTHER INFORMATION: n = A,T,C or G  
 US-09-770-149-903  
 Alignment Scores:  
 Pred. No.: 0.197 Length: 607  
 Score: 84.00 Matches: 28  
 Percent Similarity: 43.97% Conservative: 23  
 Best Local Similarity: 24.14% Mismatches: 44  
 Query Match: 8.38% Indels: 29  
 DB: 10 Gaps: 8  
 US-09-895-298A-83 (1-190) x US-09-747-155-216 (1-458)  
 QY 6 ProProser-----LysAlaTrp-----ArgAlaSerGln 15  
 Db 1 CCACCATCAGTAGTCACAGCCAGTGTGTCATGCTGGCGGGTCATCGCTT 60  
 QY 16 MetMetThrPhePheLeuLeuPhePheProSerPheThrGlyValLeuCysThr 35  
 Db 61 GTGCCGTTGCCTTGTCAACCCCTCTCCCGCCGGCTTCCTCTGCTGACCA 120  
 QY 36 LeuAlaLethr--IleTrpArgLeuLysProSerAlaAspCysGlyPro-PheArgL 54  
 Db 121 TCATCCCTCACTCTCTGACCTGGTGCCTGCTCAAGTTGT--CCCTCTAGACA 177  
 QY 54 yLeuProLeuPheLeHisserIleYrSerTripleAsp-----ThrIeuse 70  
 Db 178 CCTCCCTCAATCAGTTAGCAACTTTCAGCAGGATGACGCCATTATGCCTTCACATTC 237  
 QY 70 rThrArgProGlyTrpLeuLeuTrpValValTrp-----IleTyraR 83  
 Db 238 TGTGCAATCCGTTCTTAAGTCACATTGGGTACACATCTCCAGATTCCTCTACCA 297  
 QY 83 gAsnLeuIleGlySer--ValHisPhePhePheIleLeuIleLeuIleValIleI 102  
 Db 298 AGGGATATGCAAAGCCTTGCCAC-----TTGCGAACCCACCTCTCAGTGG 345  
 QY 102 eThrIleTrpLeuTrp 107  
 Db 346 TGACTAACTATATGG 361  
 RESULT 13  
 US-09-747-155-222  
 Sequence 222, Application US/09747155  
 Patent No. US20020151622A1  
 GENERAL INFORMATION:  
 APPLICANT: Rouquier, Sylvie  
 APPLICANT: Giorgi, Dominique  
 TITLE OF INVENTION: No. US20020151692A1 Polypeptides and Nucleic Acids Encoding  
 CURRENT APPLICATION NUMBER: US/09/7747,155  
 CURRENT FILING DATE: 2000-12-21  
 PRIOR APPLICATION NUMBER: 60/171,746  
 PRIOR FILING DATE: 1999-12-22  
 NUMBER OF SEQ ID NOS: 431  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 216  
 LENGTH: 458  
 TYPE: DNA  
 ORGANISM: Gorilla gorilla  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)..(458)  
 OTHER INFORMATION: Taxon = 9593; gene = gco104; pseudogene; Accession DDBJ/EMBL/GenBank  
 US-09-747-155-216  
 Alignment Scores:  
 Pred. No.: 0.226 Length: 458  
 Score: 82.00 Matches: 37  
 Percent Similarity: 42.06% Conservative: 16  
 Best Local Similarity: 29.37% Mismatches: 44  
 Query Match: 8.18% Indels: 29  
 DB: 10 Gaps: 8

FILE REFERENCE: 19904-008 (C009B0834US)  
 CURRENT APPLICATION NUMBER: US/09/747,155  
 CURRENT FILING DATE: 2000-12-21  
 PRIORITY FILING DATE: 1999-12-32  
 NUMBER OF SEQ ID NOS: 431  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 222  
 LENGTH: 487  
 TYPE: DNA  
 ORGANISM: Gorilla gorilla  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1).-(487)  
 OTHER INFORMATION: Taxon = 9593; gene = GGO109; Accession DDBJ/EMBL/GenBank = AF1797  
 NAME/KEY: CDS  
 LOCATION: (2).-(487)  
 OTHER INFORMATION: Product = olfactory receptor  
 US-09-747-155-222  
 Alignment Scores:  
 Pred. No.: 0.248 length: 487  
 Score: 82.00 Matches: 37  
 Percent Similarity: 42.06% Conservative: 16  
 Best Local Similarity: 29.37% Mismatches: 44  
 Query Match: 8.18% Indels: 29  
 DB: 10 Gaps: 8  
 US-09-895-298A-83 (1-190) x US-09-747-155-222 (1-487)  
 Qy 6 ProProSer-----LysAlaTrp-----ArgAlaSerGln 15  
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 Db 30 CCACCATCATGAGTCACAGCCAGTGTCTATGCCGCTGGCTGGCTGGCTCATGCCT 89  
 Qy 16 MetMetThrPhePheLeuLeuPheLeuPheProSerPheThrLysValLeuGlyThr 35  
 ::||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 90 GTCGGTGTGCTTTGATACCCCTCCGCGCTTGTCTGCTGCTGCTGACCACA 149  
 Qy 36 LeuAlaLeuThr--IleTrpArgLeuLysProSerAlaAspCysGlyPro-PheArgL 54  
 ::||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 150 TCATCCCTACTCTCTCTGTCACCTGTCGCTCCGCTCAAGTGT--CCGCTCAGACA 206  
 Qy 54 YLeuProLeuPheIleHisSerIleThrSerTrpIleAsp-----ThrIleuse 70  
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 Db 207 CCTCCCTCAATCGTTRAGCAATCTTACAGCAGGATGACGCCATTAGCTTCCATCC 266  
 Qy 70 rThrArgProGlyTyreLeuTrpValValTrp-----IleYrAr 83  
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 Db 267 TGTGCACTCTGGTTCTATGGTCACATGGGGTCAACATCCTCCAGATTCCTCCATCA 326  
 Qy 83 gAsnLeuIleGlySer--ValHsPhePhePheIleLeuLeuLeuLeuLeuLeuLeu 102  
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 Db 327 AGGGCATATGCAAAAGCTTGCTCAC-----TGTGGATCCCACCTCTCAGTGG 374  
 Qy 102 eThrTrpLeuTrpTrp 107  
 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 375 TGACTATCTATATGG 390  
 RESULT 14  
 US-09-070-927A-786  
 Sequence 786, Application US/09070927A  
 Patent No. US2002012016A1  
 GENERAL INFORMATION:  
 APPLICANT: Charles A. Kunsch  
 PATRICK J. DILLON  
 Steven Barash  
 TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides  
 NUMBER OF SEQUENCES: 982  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Human Genome Sciences, Inc.  
 STREET: 9410 Key West Avenue  
 CITY: Rockville  
 STATE: Maryland

COUNTRY: USA  
 ZIP: 20850  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
 COMPUTER: HP Vectra 486/33  
 OPERATING SYSTEM: MSDOS version 6.2  
 SOFTWARE: ASCII Text  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/070,927A  
 FILING DATE: 04-May-2000  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/046,655  
 FILING DATE: 1997-05-16  
 APPLICATION NUMBER: 60/044,031  
 FILING DATE: 1997-05-06  
 APPLICATION NUMBER: 60/066,009  
 FILING DATE: 1997-11-14  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Kenley K. Hoover  
 REGISTRATION NUMBER: 40,302  
 REFERENCE/DOCKET NUMBER: PB369  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 309-8504  
 TELEFAX: (301) 309-8512  
 INFORMATION FOR SEQ ID NO: 786:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1800 base pairs  
 STRANDEDNESS: double  
 TOPOLogy: linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 786:  
 US-09-070-927A-786  
 Alignment Scores:  
 Pred. No.: 1.84 length: 1800  
 Score: 82.00 Matches: 32  
 Percent Similarity: 42.76% Conservative: 33  
 Best Local Similarity: 21.05% Mismatches: 45  
 Query Match: 8.18% Indels: 42  
 DB: 10 Gaps: 7  
 US-09-895-298A-83 (1-190) x US-09-070-927A-786 (1-1800)  
 Qy 17 MetThrPhePheIlePheLeuLeuPhePheProSerPheThrLysValLeuCysThrLeu 36  
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 Db 1374 ATGAAATTGTTGTTGATTTGTTATTTATGTTAGTATAAGTTATGTTATGCTCCCTTA 1433  
 Qy 37 AlaIleThrIleTrpArgLeuLysProSerAlaAspCysGlyProPheArgGlyLeuPro 56  
 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 1434 --ATTACTGTTTGA--AAACCTCGTAGT----- 1460  
 Qy 57 LeuPheIleHisSerIleThrSerTrpIleAspThrLeuSerThrArgProGlyIleLeu 76  
 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 1461 -----ATTCCAGGCTTTAGCATGATGATGACTGAGCTGTTGCTCTGCGTGGATCGGC 1514  
 Qy 77 TrpValValTrpIleTyr-----ArgAsnLeuIleGlySerValHisPhePhePheIle 94  
 ::||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 1515 TTATTTTACTTATCTGTTGGGGGGATCGATGAGGAAAGAAGTTTT----- 1565  
 Qy 95 LeuThrLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 114  
 Db 1566 ----- 1566  
 Qy 115 IleMetIleArgLeuLeuHisGluGlnIle-----AsnGluGlyLysAsp 130  
 ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 1587 CAATGGTTACGAATTAAGAAAAGTGACGTTGATACAAAAAAGCAGGGCGCAT 1646  
 Qy 131 LysMetPhe-----LeuIleGlyLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 143  
 ::||| :||| :||| :||| :||| :||| :||| :||| :|||  
 Db 1647 AACGCTATGATTACTTATGATGCCAAGTTAAATGTTATTCGGAAATGGAC 1706  
 Qy 144 MetGluLysLysAlaAsnProSerSerLeuValLeu 155

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Db 1707 GCATCACCGTGGCCAAAGAAATGTTGCAATTA ||| :||||||| 1742
RESULT 15
; US-09-764-847-1804/c
; Sequence 1804, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: FC009
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 804
; LENGTH: 33200
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-847-1804

Alignment Scores:
Pred. No.: 153 Length: 32200
Score: 82.00 Matches: 34
Percent Similarity: 42.28% Conservative: 29
Best Local Similarity: 22.82% Mismatches: 47
Query Match: 8.18% Indels: 39
DB: 10 Gaps: 6

US-09-895-298a-83 (1-190) x US-09-764-847-1804 (1-32200)

Qy 36 LeuIalLethrIleTrpArgLeuLysProSerAlaAspCysGlyProPheArgGlyLeu 55
Db 2602 ATGATAATCTCTACATTCTCATCTGCCTGAAGCCATCAGA--ACA 2546
Qy 56 ProLeuPheLeuHisSerIleTyserTrpIleSerAspThrLeuSerThrArgProGly-- 74
Db 2545 GATCCTTCACA--AGTCAGAAAGTGCTGATGATGCCGTCTAGGCGGGACCA 2489
Qy 75 --TyrLeuTrpValValTrpIleTyraGashLeuIle-GlySerValHisPhePhePhe 93
Db 2488 GTATCTCTTCCTCTCTAGTGGGGAAAGAGAGAACATTAATTAAATTACATTCATAT 2429
Qy 93 eLeLeuthrLeuIleValLeuIleIleThrTrpLeuTrp----- 106
Db 2428 ATCATACAAATTAAATTCTCTAGTTAGCCATACATATTAGTTCTCTCACACTCCCTATGAAG 2369
Qy 107 -----TrpGlnIleThrGluGly----- 112
Db 2368 AAATACCCAAAGACGNGGTAAATTATAAGGAAAGGTTAACCTCACAGTCTGCA 2209
Qy 113 -----ArgLysIleMetIleArg----- 119
Db 2308 TGGGGAAAGGCCCTCAGGAACATCACAACTTCCAAAATAAATAGCAAC 2249
Qy 119 uLeuIisGluGlnIleIleAsnGluGlyLysAspLysMetPheLeuIleGluLysLeuI 139
Db 2248 TATATAAGAGTCACTAGTGAAGAAAACTATCATGAGATCTGTGAGAAATTACAAATTGCT 2189
Qy 139 eLysLeuGlnAspMetGluLysLys 147
Db 2188 AACTTTGAAACAACTGAAAAAAA 2164

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Search completed: November 9, 2002, 07:26:21  
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